



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of :  
: Group Art Unit: 1712  
Serial No. 10/509,080 : Examiner: MOORE, MARGARET G  
Filed: December 1, 2001  
For: COMPOSITE COMPRISING HEAT-RESISTANT FIBER AND SILOXANE  
POLYMER

DECLARATION UNDER 37 CFR 1.132

Honorable Commissioner of  
Patent and Trademarks

Sir,

1. I, Osamu YAGI declare that:

I am an inventor of the above identified US patent  
Application:

I was born in Uonuma city, Niigata prefecture, Japan on  
the day of the 27<sup>th</sup> August 1951;

I am a Japanese citizen residing at 2-33-303, Ryujyogaoka,  
Hiratsuka-city, Kanagawa 254-0814 JAPAN;

I graduated from school of Science and Engineering, Waseda  
University, Japan in March 1976, master course of the University  
in March 1978 and was received doctor degree from the University  
in June 1999;

I worked for Fujisawa Pharmaceutical Co. Ltd., as the  
research scientist of the Central Research Laboratory from April  
1978 to December 1984;

I worked for Tama Chemicals Co. Ltd. as the research

scientist since January 1985 to April 2000;

I have been working for Kazari-ichi Co.,Ltd as executive laboratory director chouetsushi dept since May 2000.

The following experiments were made by myself or under my intimate supervision.

## 2. Test Samples

### 1) EP1059383A1

The modified cellophane paper (herein after abbreviated as Sample A) described in paragraph [0094] line 5 of EP1059383A1 was prepared from the cellophane paper (herein after abbreviated as Sample A<sub>0</sub>) described in paragraph [0094] of EP1059383A1 in strict accordance with the disclosure of the paragraphs [0090] to [0094] of EP1059383A1.

### 2) EP1179633A1

The coated material (herein after abbreviated as Sample B) described in paragraph [0059] line 48 of EP1179633A1 was prepared from the yuzen paper sheet (herein after abbreviated as Sample B<sub>0</sub>) described in paragraph [0059] of EP1179633A1 in strict accordance with the disclosure of the paragraphs [0058] to [0059] of EP1179633A1.

### 3) US2005/0165154A1

The woven fabric (herein after abbreviated as Sample C) described in paragraph [0127] of US2005/0165154A1 was prepared from the aramid fiber woven fabric (herein after abbreviated as Sample C<sub>0</sub>) described in paragraph [0126] of US2005/0165154A1 in strict accordance with the disclosure of the paragraphs [0120] to [0127] of US2005/0165154A1.

## 3. Test method

The above 6 samples A, A<sub>0</sub>, B, B<sub>0</sub>, C, C<sub>0</sub>, and D were subjected to the method described in paragraph [0131] of US2005/0165154A1 to determine cut resistances and cut resistance increase ratios. The test results are given in Table 1.

[Table 1]

	Cut resistance	cut resistance increase ratio
Sample A <sub>0</sub>	1.2	125%
Sample A	1.5	
Sample B <sub>0</sub>	0.9	133%
Sample B	1.2	
Sample C <sub>0</sub>	5.6	175%
Sample C	9.8	

It is declared by the undersigned that all statements made herein of undersigned's own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

This 12th day of April, 2006

*Osamu Yagi*

Osamu YAGI